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Terms	Documents
L4 and (recycled or reground or regrind or scrap)	9

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IBM Technical Disclosure Bulletins

**Database:**

L5

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**Search History****DATE: Tuesday, October 14, 2003** [Printable Copy](#) [Create Case](#)**Set Name Query**  
**side by side***DB=USPT; PLUR=YES; OP=ADJ*

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
	result set		
<u>L5</u>	L4 and (recycled or reground or regrind or scrap)	9	<u>L5</u>
<u>L4</u>	L3 and (fluorin\$10 with polyethylene)	98	<u>L4</u>
<u>L3</u>	L2 and polyethylene	3086	<u>L3</u>
<u>L2</u>	L1 and polypropylene	3442	<u>L2</u>
<u>L1</u>	428/35.7 or 428/36.7 or 428/476.1 or 428/518 or 428/523 or 428/903.3	6537	<u>L1</u>

END OF SEARCH HISTORY

**PALM INTRANET**

Day : Tuesday  
 Date: 10/14/2003  
 Time: 18:59:54

**Inventor Name Search Result**

Your Search was:

Last Name = FEHN

First Name = GREGORY

<b>Application#</b>	<b>Patent#</b>	<b>Status</b>	<b>Date Filed</b>	<b>Title</b>	<b>Inventor Name</b>
<a href="#"><u>60209905</u></a>	Not Issued	159	06/07/2000	CONTAINER WITH IMPROVED SURFACE FRACTURE RESISTANCE	FEHN, GREGORY M.
<a href="#"><u>29105083</u></a>	Not Issued	161	05/17/1999	PARTIAL EXTERIOR SURFACE OF A CONTAINER SIDEWALL	FEHN , GREGORY M.
<a href="#"><u>29048125</u></a>	Not Issued	161	12/21/1995	PARTIAL EXTERIOR SURFACE OF A CONTAINER SIDEWALL	FEHN , GREGORY M.
<a href="#"><u>09939072</u></a>	Not Issued	071	08/24/2001	FLUORINATED POLYPROPYLENE CONTAINER	FEHN, GREGORY M.
<a href="#"><u>09859022</u></a>	Not Issued	161	05/15/2001	CONTAINER WITH IMPROVED SURFACE FRACTURE RESISTANCE	FEHN, GREGORY M.
<a href="#"><u>09768478</u></a>	<a href="#"><u>6479115</u></a>	150	01/24/2001	CONTAINER WITH RECYCLED PLASTIC	FEHN, GREGORY M.
<a href="#"><u>08917044</u></a>	<a href="#"><u>6194043</u></a>	150	08/19/1997	CONTAINER WITH RECYCLED PLASTIC	FEHN , GREGORY M.
<a href="#"><u>08685413</u></a>	<a href="#"><u>5814383</u></a>	150	07/23/1996	CONTAINERS WITH IMPROVED CREASE-CRACK RESISTANCE	FEHN , GREGORY M.
<a href="#"><u>08284893</u></a>	<a href="#"><u>5693283</u></a>	150	08/02/1994	CONTAINER WITH RECYCLED PLASTIC	FEHN , GREGORY M.
<a href="#"><u>06694375</u></a>	<a href="#"><u>4601926</u></a>	150	01/24/1985	PROCESS FOR APPLYING COPOLYESTER BARRIER LAYER ON POLYESTER CONTAINER	FEHN , GREGORY M.
<a href="#"><u>05841638</u></a>	<a href="#"><u>D254357</u></a>	150	10/11/1977	BEVERAGE BOTTLE	FEHN , GREGORY M.

Inventor Search Completed: No Records to Display.

<b>Search Another:</b>	<b>Last Name</b>	<b>First Name</b>
<b>Inventor</b>	FEHN	GREGORY
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side by side			result set
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>			
L4	(L3 and (polypropylene with recycl\$2)) AnD ((@pd > 20030416)!)	4	L4
L3	(L2 and (\$5layer or lamina\$5 or layered)) AnD ((@pd > 20030416)!)	2913	L3
L2	(L1 and polypropylene) AnD ((@pd > 20030416)!)	3310	L2
L1	(polyethylene and fluorin\$4) AnD ((@pd > 20030416)!)	5704	L1

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Terms	Documents
L2 and (fluorinat\$3 with polyethylene)	7

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side by side**Hit Count Set Name**  
result set*DB=DWPI; PLUR=YES; OP=ADJ*

<u>L3</u>	L2 and (fluorinat\$3 with polyethylene)	7	<u>L3</u>
<u>L2</u>	L1 and fluorinat\$3	11	<u>L2</u>
<u>L1</u>	(container or bottle) and polypropylene and polyethylene and (layer or film or sheet)	1759	<u>L1</u>

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Terms	Documents
L3 and (polyethylene with fluorin\$10)	2

**Database:**

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**Search:**

L4

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side by side**Hit Count Set Name**  
result set*DB=DWPI; PLUR=YES; OP=ADJ*

<u>L4</u>	L3 and (polyethylene with fluorin\$10)	2	<u>L4</u>
<u>L3</u>	L2 and polyethylene	2	<u>L3</u>
<u>L2</u>	L1 and polypropylene	2	<u>L2</u>
<u>L1</u>	fehn-g\$.in.	6	<u>L1</u>

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L1: Entry 1 of 3

File: USPT

Nov 12, 2002

US-PAT-NO: 6479115

DOCUMENT-IDENTIFIER: US 6479115 B2

TITLE: Container with recycled plastic

DATE-ISSUED: November 12, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fehn, Gregory M.	Barrington	IL		

US-CL-CURRENT: 428/36.6, 215/12.1, 215/12.2, 220/62.12, 220/62.13, 220/62.22,  
428/36.9, 428/421, 428/903.3

## ABSTRACT:

A container incorporating post-consumer recycled ("PCR") plastic and a method of making that type of container. The container utilizes a layer of polypropylene or EVOH or a film of fluorinated polyethylene toward the interior from the recycled plastic to prevent contaminants from the latter entering the container's contents. When utilizing EVOH, the container usually has an additional layer of polyethylene or polypropylene covering the EVOH to prevent its deterioration by moisture. Making the container involves first composing a resin including the recycled plastic. Forming the various layers listed above produces a container that includes recycled plastic and a barrier to limit the migration of contaminants from the recycled material to the container's contents. This permits the use of the resulting containers for food. For a fluorinated polyethylene film, fluorination can occur either during, or after the container's formation.

16 Claims, 9 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 1

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L1: Entry 2 of 3

File: USPT

Feb 27, 2001

US-PAT-NO: 6194043

DOCUMENT-IDENTIFIER: US 6194043 B1

TITLE: Container with recycled plastic

DATE-ISSUED: February 27, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fehn, Gregory M.	Barrington	IL		

US-CL-CURRENT: 428/36.91, 215/12.1, 215/12.2, 220/592.16, 220/62.12, 220/62.13,  
426/127, 428/35.7, 428/36.6, 428/36.7, 428/421, 428/515, 428/516, 428/517, 428/518,  
428/903.3

## ABSTRACT:

A container incorporating post-consumer recycled ("PCR") plastic and a method of making that type of container. The container utilizes a layer of polypropylene or EVOH or a film of fluorinated polyethylene toward the interior from the recycled plastic to prevent contaminants from the latter entering the container's contents. When utilizing EVOH, the container usually has an additional layer of polyethylene or polypropylene covering the EVOH to prevent its deterioration by moisture. Making the container involves first composing a resin including the recycled plastic. Forming the various layers listed above produces a container that includes recycled plastic and a barrier to limit the migration of contaminants from the recycled material to the container's contents. This permits the use of the resulting containers for food. For a fluorinated polyethylene film, fluorination can occur either during or after the container's formation.

21 Claims, 9 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 1

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**End of Result Set** [Generate Collection](#) [Print](#)

L1: Entry 3 of 3

File: USPT

Dec 2, 1997

US-PAT-NO: 5693283

DOCUMENT-IDENTIFIER: US 5693283 A

TITLE: Container with recycled plastic

DATE-ISSUED: December 2, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fehn; Gregory M.	Barrington	IL		

US-CL-CURRENT: 264/513; 215/12.1, 264/512, 264/515, 264/918, 428/36.6, 428/36.7

## ABSTRACT:

A container incorporating post-consumer recycled ("PCR") plastic and a method of making that type of container. The container utilizes a layer of polypropylene or EVOH or a film of fluorinated polyethylene toward the interior from the recycled plastic to prevent contaminants from the latter entering the container's contents. When utilizing EVOH, the container usually has an additional layer of polyethylene or polypropylene covering the EVOH to prevent its deterioration by moisture. Making the container involves first composing a resin including the recycled plastic. Forming the various layers listed above produces a container that includes recycled plastic and a barrier to limit the migration of contaminants from the recycled material to the container's contents. This permits the use of the resulting containers for food. For a fluorinated polyethylene film, fluorination can occur either during or after the container's formation.

25 Claims, 9 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 1